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**FOR IMMEDIATE RELEASE**

**Automatic Phase Determination of Disease Haplotype from Family Genotyping data now available in GeneMarker® Software**

**February 8, 2010, State College PA** SoftGenetics announces that a new Haplotype analysis functionality is now available in its GeneMarker software for use in areas such as genetic disorder research and pre-implantation studies. The new functionality eliminates errors of manual data transfer while automatically drawing family groups and assigning first-order-approximation phase of the alleles while deducing the haplotype of the children from familial data.

GeneMarker is an excellent genotyping tool which may be used with commercially available clinical assays for both autosomal and X-linked traits for diagnoses of diseases such as cystic fibrosis (CF) and Duchenne muscular dystrophy (DMD).

Traditionally, researchers determine the genotype of each family member. This may require using allele calls from two or more kits to obtain the complete allele call information for each person. Researchers then draw a pedigree diagram and assign the phase of the alleles, based on the familial data of parents and child(ren). This manual process is time consuming and subject to error due to data transfer from genotyping software to pedigree analysis software.

“GeneMarker’s haplotype application”, states Product Manager Teresa Synder-Lieby, PhD, ” includes several benefits that researchers or clinicians will find quite useful. The application follows Bennett *et al.* nomenclature for the pedigrees, X-linked and autosomal pedigree formats based upon parent/child(ren) allele calls; has the ability to edit family and individual information; displays markers, allele calls, personal information in the pedigree; automatically makes first order phase assignment and flags allele conflicts detecting potential uniparental disomy. Additionally the software eliminates the need to manually transfer genotype information as is the common practice of today.”

The company offers 30-day trials and no cost web-based training on its genetic analysis software packages. Interested parties may request the software on the company website: [www.softgenetics.com](http://www.softgenetics.com) or via email: [info@softgenetics.com](mailto:info@softgenetics.com).

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*SoftGenetics, LLC specializes in the development of genetic analysis tools for both research and diagnostic applications. Hallmarks of SoftGenetics software tools are advanced technologies, providing exceptional accuracy, and sensitivity in an easy-to use Windows® user interface.*

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